

Overview: NIST Cloud Computing Efforts

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Goal of this session -- provide context for transition to the afternoon “Workshop” agenda

Overview: NIST Cloud Computing Efforts

- **Special Publications**
- **Standards Acceleration to Jumpstart Adoption of Cloud Computing (SAJACC)** -- strategy to facilitate collaborative development of standards to support high priority security, interoperability, & portability requirements
- **Federal Risk & Authorization Management Program (FedRAMP) Technical Process Definition** -- to support the government’s ability to leverage security authorization work for Cloud Computing services

Government Panel – perspective and rationale

National Institute of Standards and Technology (NIST) Cloud Computing Technical Role

NIST Cloud Computing efforts are consistent with the NIST mission:

“To promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.”

Cornerstone: Advancing Standards Development

- government needs to work collaboratively with private sector to develop standards

Cloud Computing: Special Publications

In 2009 NIST made its widely adopted and referenced Definition of Cloud Computing publically available

Cloud computing is a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.

In progress -- NIST Cloud Computing Special Publications will apply the definition and SAJACC standards work

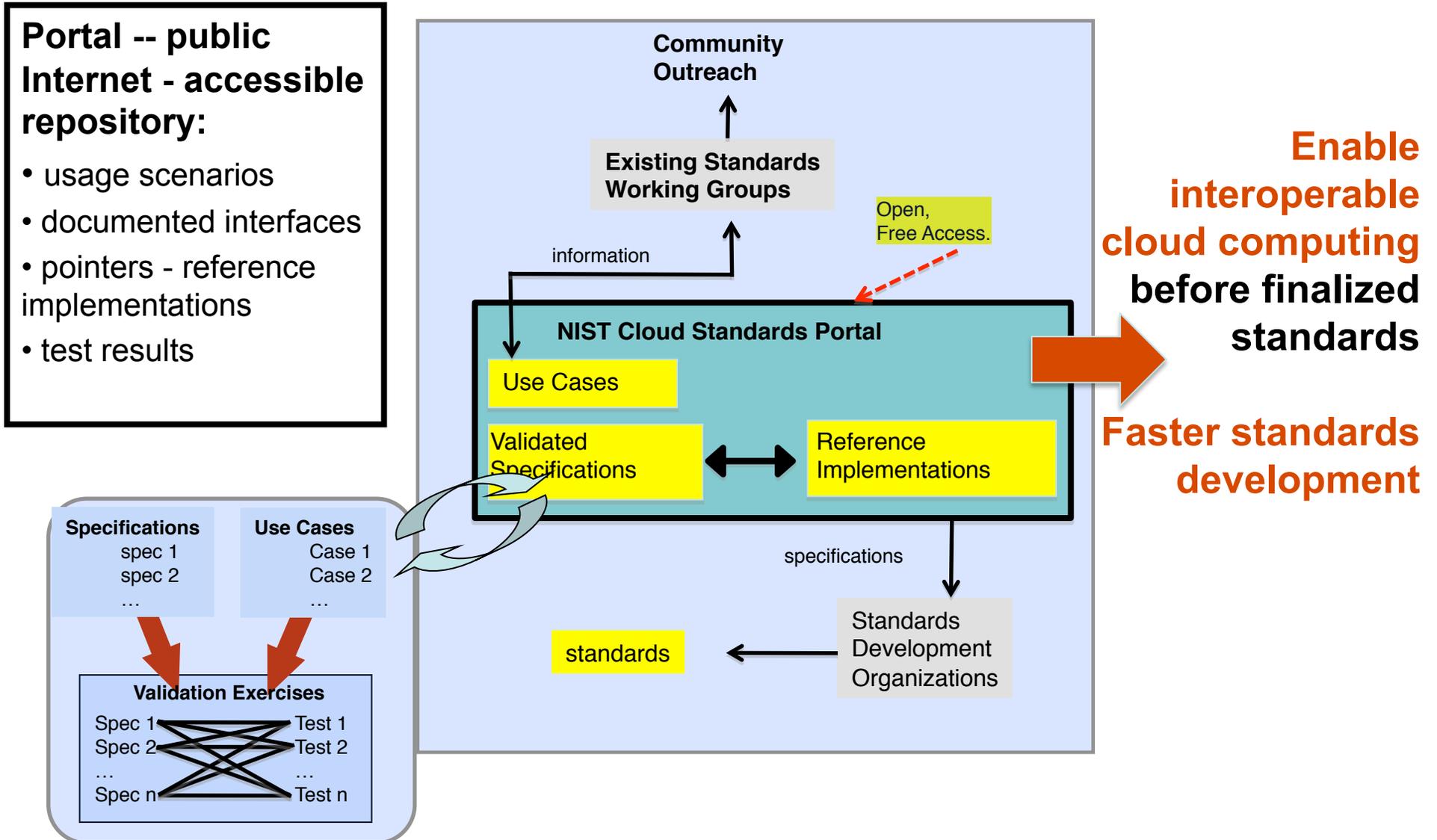
Overview: Standards Acceleration to Jumpstart Adoption of Cloud Computing (SAJACC)

SAJACC goal is to help solve the problem: “How do we support the adoption of a new complex technology during the interim period between when standards are needed and when they are available, and how do we develop standards more quickly?”

SAJAAC is: Strategy, Process, & Portal

NIST believes that we (the community) can accelerate cloud adoption by validating key cloud specifications & sharing information to build confidence in cloud computing technology in the interim before formalized standards are available

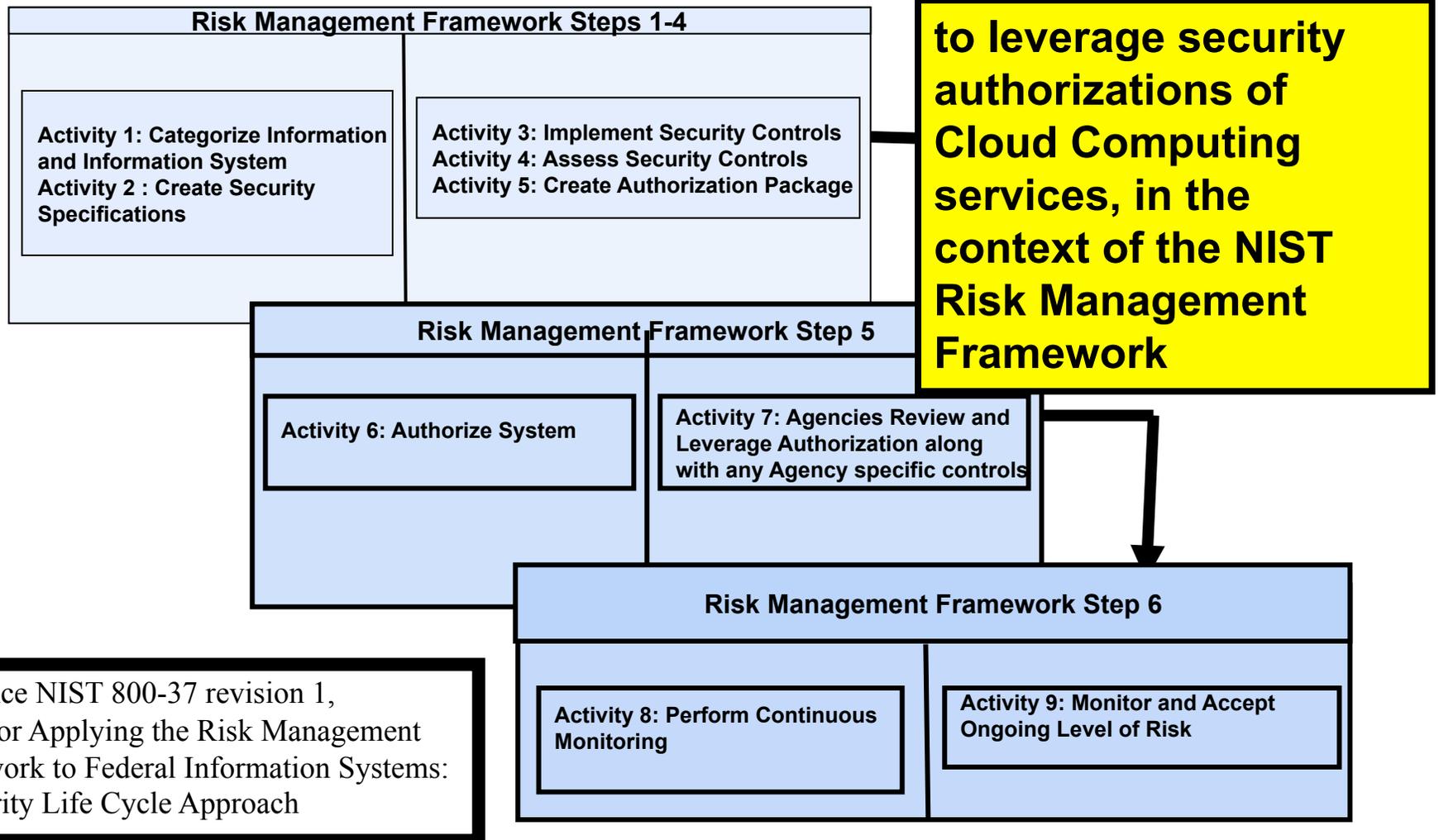
SAJACC: What does it look like and how will it work?



Overview: Federal Risk and Authorization Management Program (FedRAMP) Technical Process Definition

- **NIST technical advisor role** -- Federal CIO Council Cloud Computing Advisory Council (CCAC) Security Working Group
 - Consistent with NIST role in the development of security standards and guidelines
- **High priority CCAC SWG focus** -- defining a strategy to cost effectively satisfy Federal Certification and Accreditation and Authorization requirements
- **NIST supported definition of the FedRAMP concept** during the FedRAMP project initiation phase
 - **FedRAMP governance and operational program** is being implemented under the auspices of the Federal CIO Council

NIST FedRAMP Technical Advisory Function: Lead definition of a FedRAMP technical process



Introduction: Workshop Government Panel Perspective

Seek to encourage objective information exchange
based on early adopter implementation experience

Adjourn: Morning Program

**Cloud Computing Forum and Workshop
resumes at 1:30 in this room**

**Please join us in exploring the tactical
aspects of Cloud Computing in the
afternoon Workshop sessions**